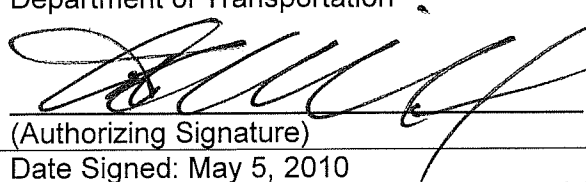


**ADDENDUM 002
REQUEST FOR BIDS
(STRUCTURED TELECOMMUNICATIONS CABLING SYSTEM)
RFB # (D8PP-10061)**

Bidders shall acknowledge receipt of Addendum 002 (TWO) by signing and including it with the original bid. The due date for receipt of bids remains unchanged by this Addendum. Accordingly, the following Question and Answer Addendum from the Request for Interpretations section of the above referenced bid are believed to be of general interest to all potential Bidders. All other terms and conditions remain unchanged and in full force.

Name and Title of Signer (Print or type)	Name and Title of Department Authority Name: Andy McNeill Title: Intermediate Procurement Agent
Bidder/Offeror Signature	Department of Transportation 
(Signature of person authorized to sign)	(Authorizing Signature)
Date Signed:	Date Signed: May 5, 2010

QUESTIONS/CLARIFICATIONS

Question: With regards to the "Excessive Unemployment" Clause: We are an Illinois based company. Can we staff this project with Missouri laborers provided to us by our partner staffing company which is based in Missouri?

Answer: Yes, they could. Contractors from restricted states can bid on projects as long as they use Missouri workers.

Question: "Provide reference of the type of installation provided in this specification." We do hold the Siemon certifications, but do not currently have any Siemon Cabling System installs to date, can we use a similar type of install as a reference?

Answer: Yes

Question: "Contractor must be registered with BISCI and have at least one RCDD on staff." We are registering with BISCI, but are we able to use our Siemon partner RCDD, or do we actually need one ON staff? Is this an ABSOLUTE requirement?

Answer: Need proof of registration progress and can use RCDD of Siemon partner.

Question: Can the floor in the OPERATIONS dept be drilled in order to provide a cable path for the locations in the middle of the room?

Answer: No

Question: Can the cables for the District Engineer be install to the left of the desk in order to accommodate easy access in the future?

Answer: Yes

Question: The TR located on the first floor in the Procurement Supervisors office, can it be located on the back wall instead of the side wall in order to allow the cabinet door to open all the way?

Answer: Yes

Question: If 48 port patch panel will not fit in the existing cabinet located in the MCS Supervisor's office to accommodate the additional drops, will MODOT assume responsibility for a change order or replace the cabinet themselves?

Answer: As a result of this question arising several times during the site surveys, MoDOT will provide a Chatsworth model 31251-019 swing gated wall mount rack. The contractor shall mount the rack beside the existing cabinet.

Question: Will the bill of material be reviewed to confirm that all material meets spec?

Answer: Yes

Question: Will I need to separate the voice and data on the patch panels. (will the blue and white wire be mixed?)

Answer: Yes, the voice and data will need to be terminated on separated patch panels. The cables will need to be dressed into the cabinets in separate bundles by color (blue/white/yellow)

Question: Support of wire to locations. Will I be able to velcro or cable tie cables to building steel after leaving the main cabling channel?

Answer: Yes, the building steel can be used to tie off to. Velcro is preferred in all applications to maintain cable integrity from over tightening.

Question: Wiring will be supported by "J" hooks in the main cable pathways. At what point can I stop using the smaller "J" hooks for 2-4 wires, and strap with cable ties or velcro?

Answer: Once it is down to 4 wires then cable may be attached to steel structure using Velcro or cable tie. Velcro is preferred in all applications to maintain cable integrity from over tightening.

Question: The patch panel for RJ11 phone connections. Will I need to use a max panel with RJ11 jacks, or RJ45 jacks?

Answer: This is up to the contractor as to what they want to use. Single pair RJ11 is all that is required.

Question: What would you like for me to use? Cat 3, Cat 5E, ZMAX

Answer: The bid request requires a System 6 solution with ZMAX jacks for both voice and data runs.

Question: What about the Versapod voice patch panel?

Answer: This is up to the contractor as to what they want to use. Single pair RJ11 is the minimum that is required per jack.

Question: How many pairs will be on a patch panel? I plan on 1 pair per jack the center 2 pins.

Answer: 200 pairs at panel with 1 pair per jack.

Question: Do I do all 200 pair on the panels?

Answer: Yes

Question: Will some of the pairs need to be on the wall?

Answer: All 200 pair in the TR on the main floor of the main building need to terminate in the Versapod cabinet.

Question: The backbone can be installed using copper cabling. The distance is within the limits. How many back bone cables do you need in each building to the closets?

Answer: The only copper backbone cable requested is for the garage building between floors. One dual run is requested.

Question: Do I need to install fiber to the closets?

Answer: The fifth bullet in section 4. SCOPE OF WORK, states: Provide Gigabit Backbone between Main Level Small Plans Room and Basement IS Area with armor cladded fiber or provide an innerduct pathway.

Question: How many fiber strands?

Answer: From the bid specs:

***Siemon Light System Gigabit Ethernet Fiber
12 Strand, MM, Orange Jacket, 62.5 Fiber
Siemon 9BB6P012G-G109A***

Question: At the phone terminal I plan on using a Siemon 66-B3 block for the 200 pair cable. I will use a split block and terminate 100 pair on each block. That means 2 blocks will be on the wall for cross connecting the 200 pair. The block is split so you will have 2 clips available to punch down at least 2 phone connections on the same pair. Will that meet your needs?

Answer: Yes

Question: Will you be utilizing horizontal wire managers in the Versapod?

Answer: Yes

Question: How many will be needed for the Versapod?

Answer: One U of wire manager per 24 data connections.

Question: Do you plan on using horizontal wire managers on the zero U panels?

Answer: Yes

Question: I would assume that all wireless access points will only require 1 data cable. Can I assume that is correct?

Answer: A WAP is defined as one data cable that is yellow in color and terminated with yellow ZMAX jacks.

Question: Will the Versapod need to be mounted to the floor?

Answer: No. It is to be on rollers with locks.

Question: Will the RS07 rack need to be mounted to the raised floor, or thru the raised floor to the concrete?

Answer: To the concrete.

Question: Will I need to provide (1 or 2) VPC12 vertical managers for the RS07 rack?

Answer: Two. One on each side.

Question: Exactly how will the temporary connections be handled. Let's talk the main building, main level first. Will you have 2 data rooms working at the same time?

Answer: Yes, both networks will be working at the same time.

Question: Will you establish another rack connection to merge everyone over to the new wiring?

Answer: Yes, both networks will be working at the same time.

Question: If we need to establish a connection to the network. Which closet will be used to connect the network.

Answer: Not applicable.

Question: Doing a complete cut-over would not be easy. Is the the game plan?

Answer: This can be completed in stages.

Question: Will we have assistance from Modot staff?

Answer: Yes

Question: Please explain how the transition will be implemented. Describe in detail how (contractor) would need to prep and what will the (contractor) need to provide to make that transition seamless.

Answer: During the site surveys, various contractors spoke of different ways they desire to cut over. Some preferred to install all the new and have one cut over. Others expressed a desire to transition in stages by floor or department. Implementation of the transition is at the contractor's discretion, and to be coordinated with the district representative.

Question: How will the voice connections be handled? What are we expected to do with the voice cut-over.

Answer: Move the Plexar cross connect to the new voice feeder cable, move phone/cord to new jack at desk, and test.

Question: Cleanup of the work areas. To what extent will we be required to clean?

Answer: The work areas are to be left in the condition they were, when you walked in.

Question: Will this be an issue if we miss some of the dust? That is of course if you require us to vacuum/dust.

Answer: Some dust will not be an issue, but a reasonable cleanup effort is required.

Question: When does the Modot staff clean the office?

Answer: We have a contract with a cleaning company which states they may be in both buildings between the hours of 5:00 p.m. and 5:00 a.m., Monday through Friday. They typically complete their work around 10:00 p.m. or a little after.

Question: Will they change their times to prevent any conflict with our work?

Answer: No. The cleaning crew will be instructed to not work in the same area you are in on a given day.

Question: When removing the Panduit duct, and wall boxes etc. on walls, windows frames, & whatever else. Will we be responsible for any damage this may cause to paint, etc?

Answer: Not as long as the contractor exercised the highest standard of care in performing its obligations to the scope of work. 2. GENERAL REQUIREMENTS, 01 71 00: CONTRACTOR RESPONSIBILITY

Question: The molding will typically leave the double adhesive tape behind. That is provided it has not pulled the paint off or the wall paper has torn. Will the remaining adhesive need to be removed from the window frame,etc?

Answer: No

Question: To what extent will this need to be cleaned up?

Answer: Not applicable.

Question: The data room on the lower lever has a light that will need to be removed prior to work starting. This will be completed as discussed?

Answer: MoDOT will remove the fluorescent light fixture over the new TR location on the basement level of the main building, prior to Notice to Proceed.

Question: The MoDOT Representative verbally approved installing the metal raceway to the edge of the desk. This will allow installing the wiring without requiring the owner of the office/desk to move everything off or out of the office. This in turn will prevent us from having to move the desk away from the wall.(risking damage) Terminations will be via a cut-in box where ever possible. Otherwise, the metal raceway will be installed on the wall, near the edge of the desk. The wall box will either be at normal box height (12") or just above the desk top to allow access to the data jacks. Consulting with the MoDOT Representative during the installation will be a standard procedure when questions arise. Surface mount boxes will be used where needed to create a lower profile solution. Approval of the above statement is accepted?

Answer: Installing a metal raceway to the top of the desk, and mounting as described above, was approved at specific locations during the walk through. Blanket acceptance to the above statement cannot be given; however, additional locations may be identified during installation and approved by MoDOT's designated representative.

Question: The MoDOT Representative has advised their may be electrical wires exposed in the ceiling without wire nuts. Please provide any assistance to the (contractor) that will help determine where more locations may exist. A little time invested by your staff would be helpful in keeping my staff safe.

Answer: Prior to Notice to Proceed, MoDOT will search for exposed wires. If any are found, they will be capped at that time. Should any remain, if found the contractor is to exit that area and contact MoDOT's designated representative. MoDOT's building maintenance will resolve the issue within 24 hours.

Question: Wiring installed to the Access Points in the garage area will be velcro or cable tied to the steel structure. Is this acceptable?

Answer: Yes

Question: Where there are 3 locations next to each other we will be allowed to install a single gang 6 port faceplate. There were some areas that you have approved this method. Is that okay with you?

Answer: Yes

Thank you,



Andy McNeill, CPPB
Intermediate Procurement Agent